

ABSTRACT OF THE INVENTION

1
2 An anti-reversionary device for installation into the intake or the
3 exhaust of an internal combustion engine comprises an inner pipe substantially
4 centralized in the conduit. A plurality of ports are formed in an annular wall
5 extending between the inner pipe and the conduit. Slower boundary layer gas flow
6 adjacent the conduit is directed through the ports, and accelerated to join the faster
7 gas flow passing through the inner pipe. The annular wall is angled downstream
8 from the inner pipe to the conduit with the ports forming gas flow-directing passages
9 angled radially inwardly. The inner pipe and annular wall are supported in a
10 cylindrical housing forming a unitary body fit to the conduit. One or more devices
11 can be installed in the conduit.